

Title (en)  
METHOD AND DEVICE FOR PAGING

Title (de)  
VERFAHREN UND VORRICHTUNG FÜR FUNKRUF

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE RADIOMESSAGERIE

Publication  
**EP 3567753 A4 20200101 (EN)**

Application  
**EP 18747310 A 20180202**

Priority  
• CN 201710063953 A 20170204  
• CN 2018075031 W 20180202

Abstract (en)  
[origin: EP3567753A1] This application provides a paging method, an apparatus, and a communications system, to improve signal received quality of paging information. The method includes: determining, by a terminal device, a target time interval; and listening, by the terminal device, on a channel in the target time interval to obtain paging information, where the target time interval belongs to a target time window, and all time units to which a plurality of beams in the target time window are mapped carry the paging information.

IPC 8 full level  
**H04W 68/02** (2009.01); **H04B 7/0408** (2017.01); **H04W 16/28** (2009.01)

CPC (source: CN EP US)  
**H04B 7/0408** (2013.01 - EP); **H04B 7/0695** (2013.01 - EP); **H04B 7/26** (2013.01 - EP); **H04W 68/02** (2013.01 - CN EP US); **H04W 72/1263** (2013.01 - US); **H04W 16/28** (2013.01 - EP); **Y02D 30/70** (2020.08 - EP)

Citation (search report)  
• [XII] WO 2014189279 A1 20141127 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [XII] SAMSUNG: "Paging in NR", vol. RAN WG2, no. Athens, Greece; 20170213 - 20170217, 3 February 2017 (2017-02-03), XP051222776, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG2\_RL2/TSGR2\_97/Docs/> [retrieved on 20170203]  
• [XII] MEDIATEK INC: "Paging in NR with Beam Sweeping", vol. RAN WG2, no. Athens, Greece; 20170213 - 20170217, 3 February 2017 (2017-02-03), XP051222867, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG2\_RL2/TSGR2\_97/Docs/> [retrieved on 20170203]  
• [XII] SAMSUNG: "Discussion on paging in NR - Multi-beam aspects", vol. RAN WG1, no. Gothenburg, Sweden; 20160822 - 20160826, 21 August 2016 (2016-08-21), XP051125557, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings\_3GPP\_SYNC/RAN1/Docs/> [retrieved on 20160821]  
• [XII] NTT DOCOMO ET AL: "Discussion on paging design for NR", vol. RAN WG1, no. Spokane, USA; 20170116 - 20170120, 16 January 2017 (2017-01-16), XP051208139, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings\_3GPP\_SYNC/RAN1/Docs/> [retrieved on 20170116]  
• See references of WO 2018141262A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3567753 A1 20191113; EP 3567753 A4 20200101; EP 3567753 B1 20230405**; CN 108401289 A 20180814; CN 108401289 B 20200602; EP 4220984 A1 20230802; US 2019357171 A1 20191121; WO 2018141262 A1 20180809

DOCDB simple family (application)  
**EP 18747310 A 20180202**; CN 201710063953 A 20170204; CN 2018075031 W 20180202; EP 23155240 A 20180202; US 201916529792 A 20190802